| FORM PTO-1390 U.S. DE (REV 10-94)  | EPARTMENT OF COMMERCE PATENT AND TRADEMAR   |   |  |  |  |  |  |  |
|--|---|---|--|--|--|--|--|--|
| TRANSMITTAL LETTER   | 14556.0007USWO  |   |  |  |  |  |  |  |
| DESIGNATED/ELECTE  |   |   |  |  |  |  |  |  |
| CONCERNING A FILIN   | G UNDER 35 U.S.C. 371   | 110 ADDI (CATION NO (ISLamo no 17 CED 16)             |  |  |  |  |  |  |
|  | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Filed Herewith 10/580061                                   |   |  |  |  |  |  |  |
| INTERNATIONAL APPLICATION NO.  | INTERNATIONAL FILING DATE   | PRIORITY DATE CLAIMED                                 |  |  |  |  |  |  |
| PCT/CN2004/000161  | March 2, 2004   | December 8, 2003                                      |  |  |  |  |  |  |
| TITLE OF INVENTION   |   |   |  |  |  |  |  |  |
| AN EXTRACTION METHOD AND THE A   | PPARATUS THEREOF  |   |  |  |  |  |  |  |
| APPLICANT(S) FOR DO/EO/US  |   |   |  |  |  |  |  |  |
| Peisheng CAO   |   |   |  |  |  |  |  |  |
| Applicant herewith submits to the United States De   | esignated/Elected Office (DO/EO/US) the f   | ollowing items and other information:                 |  |  |  |  |  |  |
| [X] This is a FIRST submission of items con  | cerning a filing under 35 U.S.C. 371.   |   |  |  |  |  |  |  |
| 2. [ ] This is a SECOND or SUBSEQUE  | NT submission of items concerning a filing  |   |  |  |  |  |  |  |
| 3. [X] This express request to begin national examination until the expiration of the approximation of the approxi | amination procedures (35 U.S.C. 371(f)) at a opticable time limit set in 35 U.S.C. 371(b) at                  |   |  |  |  |  |  |  |
|  |   | 19th month from the earliest claimed priority date.   |  |  |  |  |  |  |
| 5. [X] A copy of the International Application a   | is filed (35 11 S.C. 371(c)(2))   |   |  |  |  |  |  |  |
| a. [ ] is transmitted herewith (req  | quired only if not transmitted by the Internat  | tional Bureau).                                       |  |  |  |  |  |  |
| b. [X] has been transmitted by the Inte  | ernational Bureau.  |   |  |  |  |  |  |  |
|  | ication was filed in the United States Received plication into English (35 U.S.C. 371(c)(2))                  |   |  |  |  |  |  |  |
|  |   |   |  |  |  |  |  |  |
| 7. [X] Amendments to the claims of the Internat a. [ ] are transmitted herewith (re  | tional Application under PCT Article 19 (35 equired only if not transmitted by the Interni                    |   |  |  |  |  |  |  |
| <ul><li>b. [ ] have been transmitted by the</li></ul>  | he International Bureau.  | ·   |  |  |  |  |  |  |
| <ul> <li>c. [ ] have not been made; however</li> <li>d. [X] have not been made and will no</li> </ul>  | ver, the time limit for making such amendm<br>of be made.   | nents has NOT expired.                                |  |  |  |  |  |  |
|  |   |   |  |  |  |  |  |  |
| 8. [ ] A translation of the amendments to t  | the claims under PCT Article 19 (35 U.S.C.  | 371(c)(3)).   |  |  |  |  |  |  |
| 9. [X] An oath or declaration of the inventor(s)   | (35 U.S.C. 371 (c)(4)).   |   |  |  |  |  |  |  |
|  | 10. [ ] A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 |   |  |  |  |  |  |  |
| (35 U.S.C. 371(c)(5)).   |   |   |  |  |  |  |  |  |
| Items 11. to 16. below concern document(s) or in   |   |   |  |  |  |  |  |  |
| 11. [ ] An Information Disclosure Statemen   | it under 37 CFR 1.97 and 1.98.  |   |  |  |  |  |  |  |
| 12. [ ] An assignment document for recordi   | ing. A separate cover sheet in compliance w   | vith 37 CFR 3.28 and 3.31 is included.                |  |  |  |  |  |  |
| 13. [X] A FIRST preliminary amendment.   |   |   |  |  |  |  |  |  |
| [ ] A SECOND or SUBSEQUENT prel  | iminary amendment.  |   |  |  |  |  |  |  |
| 14. [ ] A substitute specification.  |   |   |  |  |  |  |  |  |
| 15. [ ] A change of power of attorney and/o  | or address letter.  |   |  |  |  |  |  |  |
| 16. [X] Other items or information: Application with attached Form PCT/ISA/210   | Data Sheet - 3 pages, 14 Sheets of Formal I   | Drawings, International Publication WO 2005/056155 A1 |  |  |  |  |  |  |
|  |   |   |  |  |  |  |  |  |

IAP12 Rec'é POTITIO : C. J.AY 2006

| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)  |  | INTERNATIONAL APPLICATION NO.      |   | ATTORNEY'S DOCKET NUMBER   |                     |                            |                                       |  |
|---|--|------------------------------------|---|--|---------------------|----------------------------|---------------------------------------|--|
| Filed Herewith  |  | PCT/CN2004/000161                  |   | 14556.0007USWO   |                     |                            |                                       |  |
| BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):   |  |                                    |   |  |                     |                            |                                       |  |
| BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)): [X] a) Basic National fee   |  |                                    |   |  | \$300.00            |                            |                                       |  |
| [X] b) Examination  | on fee   |                                    |   |  | \$200.00            | \$200.00                   |                                       |  |
| [X] c) Search fee.  | •••••  |                                    |   |  | \$500.00            | \$500.00                   |                                       |  |
|   |  |                                    | TOTAL   | OF ABOVE CALC  | ULATIONS =          | \$1000.00                  |                                       |  |
| sequence listii   | ing or co  |                                    | ım listing file   | ed in paper over 100 sheet<br>ed in an electronic mediur<br>raction thereof. |                     |                            |                                       |  |
| Total Sheets  | Total Sheets Extra Sheets  |                                    | Number of each additional 50 or fraction thereof (round <b>up</b> to a whole number |  | Rate                |                            |                                       |  |
| -100 =  | 0  | /50 =                              |   |  | X \$250.00          | \$0.00                     |                                       |  |
| Surcharge of \$130 months from the e  |  |                                    |   | laration later than [] 20 [FR 1.492(e)).                                     | ] 30                | \$0.00                     |                                       |  |
| CLAIMS  |  | NUMBER                             | FILED   | NUMBER EXTRA   | RATE                |                            |                                       |  |
| Total claims  |  | 19                                 | -20 =   | 0  | X \$50.00           | \$0.00                     |                                       |  |
| Independent clain   | ns   | 2                                  | -3 =  | 0  | X \$200.00          | \$0.00                     |                                       |  |
| MULTIPLE DEP  | ENDE   | NT CLAIM(S)                        | (if applicabl   | le)  | + \$360.00          | \$0.00                     |                                       |  |
|   |  |                                    | TOTAL   | OF ABOVE CALC  | ULATIONS =          | \$1000.00                  |                                       |  |
| Reduction by 1/2 pursuant to 37 CF  |  |                                    | ty, if applica  | able. Small entity status i  | is claimed          | \$500.00                   |                                       |  |
|   |  |                                    |   | 1  | SUBTOTAL =          | \$500.00                   |                                       |  |
| Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f). |  |                                    |   | \$0.00   |                     |                            |                                       |  |
| TOTAL NATIONAL FEE =  |  |                                    |   |  | \$500.00            |                            |                                       |  |
|   | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + |                                    |   |  |                     | \$0.00                     |                                       |  |
| TOTAL FEES ENCLOSED =   |  |                                    |   |  |                     |                            |                                       |  |
|   |  |                                    |   |  |                     | Amount to be:              | \$0.00                                |  |
|   |  |                                    |   |  |                     | charged                    | · · · · · · · · · · · · · · · · · · · |  |
| a. [X] Check(s)   | ) in the   | amount of \$50                     | 0.00 to cove  | er the above fees is enclose   | ed.                 |                            |                                       |  |
| b. [ ] Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.                      |  |                                    |   |  |                     |                            |                                       |  |
|   |  | oner is hereby at<br>Deposit Accou |   | charge any additional fee<br>2725.   | s which may be requ | uired, or credit any       |                                       |  |
|   |  |                                    |   | 37 CFR 1.494 or 1.495 has bre the application to pen                         |                     | petition to revive (37 CFR |                                       |  |
| SEND ALL CORRESPON  | NDENCE   | . то:                              |   |  |                     |                            | - 1 TT                                |  |
| Tong Wu MERCHANT & GOULD SIC P.O. Box 2903  |  |                                    |   | GNATURE: Jory WL   |                     |                            |                                       |  |
| 1   | Minneapolis, MN 55402-0903 NAME: Tong Wu   |                                    |   |  |                     |                            | •                                     |  |
| REGISTRATION NUMBER: 43,361   |  |                                    |   |  |                     |                            | 43,361                                |  |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Peisheng CAO

IAP12 Rec'd PCT/PTO 12 MAY 2006

Docket:

14556.0007USWO

Title:

AN EXTRACTION METHOD AND THE APPARATUS THEREOF

**CERTIFICATE UNDER 37 CFR 1.10**:

"Express Mail" mailing label number: EV 408494550 US

Date of Deposit: May 22, 2006

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for

Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

By: Name: John Junkers

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

We are transmitting herewith the attached:

Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.

National Stage PCT Patent Application of PCT/CN2004/000161: Spec. 24 pgs; 19 claims; Abstract 1 pgs. The fee has been calculated as shown below in the 'Claims as Filed' table.

☐ 14 sheets of formal drawings

Small entity status is claimed pursuant to 37 CFR 1.27

An unsigned Combined Declaration and Power of Attorney

A check in the amount of \$500.00 to cover the Filing Fee

Application Data Sheet, 3 pages.

Form PCT 1390

Other: Preliminary Amendment, International Publication WO 2005/056155 A1 with attached Form PCT/ISA/210

Return postcard

## **CLAIMS AS FILED**

| Number of Claims Filed        | No. | In Excess of | Extra | Rate   |    | Fee    |
|-------------------------------|-----|--------------|-------|--------|----|--------|
| Total Claims                  | 19  | 20           | 0     | 25.00  | =  | 0.00   |
| Independent Claims            | 2   | 3            | 0     | 100.00 | =  | 0.00   |
| Multiple Dependent Claims Fee |     |              |       |        | =  | 0.00   |
| Basic Filing Fee              |     |              |       |        | =  | 150.00 |
| Search Fee                    |     |              |       |        |    | 250.00 |
| Examination Fee               |     |              |       |        | =  | 100.00 |
| Utility Application Size Fee  | 42  | 100          | 0     | 125.00 | II | 0.00   |
|                               |     |              |       |        |    |        |
| Total                         |     |              |       |        | =  | 500.00 |

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

Merchant & Gould P.C.
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612.332.5300

Name: Tong Wu Reg. No.: 43,361

Initials: TW/mkc

23552
PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)